```
=> file .meeting
'EVENTLINE' IS NOT A VALID FILE NAME
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that are available.  If you have requested multiple files, you can
specify a corrected file name or you can enter "IGNORE" to continue
accessing the remaining file names entered.
ENTER A FILE NAME OR (IGNORE):ignore
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                        ENTRY    SESSION
FULL ESTIMATED COST                                      0.21       0.21

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=> (Rh blood)(P)(immobilized or immobilize or immobilization or chromatography)
L1            0 FILE AGRICOLA
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'BLOOD)(P)(IMMOBILIZ'
L2            1 FILE BIOTECHNO
L3            0 FILE CONFSCI
L4            0 FILE HEALSAFE
L5            0 FILE IMSDRUGCONF
L6            1 FILE LIFESCI
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'BLOOD)(P)(IMMOBILIZ'
L7            0 FILE MEDICONF
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'BLOOD)(P)(IMMOBILIZ'
L8            0 FILE PASCAL

TOTAL FOR ALL FILES
L9            2 (RH BLOOD)(P)(IMMOBILIZED OR IMMOBILIZE OR IMMOBILIZATION OR
                CHROMATOGRAPHY)

=> d l9 ibib abs total

L9    ANSWER 1 OF 2  BIOTECHNO  COPYRIGHT 2004 Elsevier Science B.V. on STN
ACCESSION NUMBER:         2003:36522970   BIOTECHNO
TITLE:                    Establishment of human heterohybridoma and
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lymphoblastoid cell lines specific for the Rh D and C antigens

AUTHOR: Pasha R.P.K.; Roohit A.; Shokri F.
CORPORATE SOURCE: Dr. F. Shokri, Department of Immunology, School of Public Health, Tehran Univ. of Medical Sciences, Tehran 6446-14155, Iran.
E-mail: fazshok@yahoo.com

SOURCE: Transfusion Medicine, (2003), 13/2 (83-92), 34 reference(s)
CODEN: TRMDET ISSN: 0958-7578
DOCUMENT TYPE: Journal; Article
COUNTRY: United Kingdom
LANGUAGE: English
SUMMARY LANGUAGE: English
AN 2003:36522970 BIOTECHNO

AB Human monoclonal antibodies specific for the D antigen of the Rh system are valuable tools for blood group typing and prevention of erythroblastosis. In this study, peripheral blood lymphocytes obtained from an Rh-negative woman immunized with Rh-positive fetuses were immortalized with Epstein-Barr virus (EBV), and transformed lymphoblastoid cell lines (LCLs) secreting antibodies to Rh antigens were generated. The presence of specific antibody was assessed by direct haemagglutination using Rh-positive, papain-treated red blood cells (RBCs), and the production of human antibody was assayed by enzyme-linked immunosorbent assay (ELISA). Specificities of the antibodies were determined by a panel of RBCs of known Rh phenotypes. Five LCLs produced antibody specific for the D antigen, and one LCL showed specificity towards the C antigen of the **Rh blood** group system.
High-titre anti-Rh antibody-producing LCLs were subsequently selected and fused with a human x mouse heteromyeloma cell line. A hybridoma line producing human antibody of the immunoglobulin M (IgM) isotype, which strongly reacted with the D antigen, was established. The hybridoma was cloned, and the monoclone has been stable for growth and antibody production during 8 months of continuous culture, with a mean antibody concentration of 11.5 μgmL.sup.-.sup.1 and haemagglutination titre of 1/20 480. This antibody was not able to agglutinate a sample of native weak D RBCs (D.sup.u); however, agglutination was achieved with papain-treated Du RBCs. Immunoprecipitation of the D antigen by this anti-body, followed by Western blot analysis, did not reveal any **immobilized** D-specific polypeptide. As this human antibody readily agglutinates D.sup.+ RBCs in saline, it has the potential to be used as an efficient reagent in routine blood group typing.

L9 ANSWER 2 OF 2 LIFESCI COPYRIGHT 2004 CSA on STN

ACCESSION NUMBER: 88:23744 LIFESCI

TITLE: Characterization of the D, c, E and G antigens of the Rh blood group system with human monoclonal antibodies.

AUTHOR: Bloy, C.; Blanchard, D.; Lambin, P.; Goossens, D.; Rouger, P.; Salmon, C.; Masouredis, S.P.; Cartron, J.-P.
CORPORATE SOURCE: Inst. Natl. Transfusion Sanguine and Unite INSERM U76, 6 Rue Alexandre Cabanel, 75015 Paris, France

SOURCE: MOL. IMMUNOL., (1988) vol. 25, no. 9, pp. 925-930.
DOCUMENT TYPE: Journal
FILE SEGMENT: F
LANGUAGE: English
SUMMARY LANGUAGE: English

AB The human MAbs, anti-D, -c, -E and -G of the **Rh blood** group system, produced by Epstein-Barr virus transformed B-cell lines, were purified by protein A-Sepharose **chromatography** and used to characterize the Rh antigens of human red cells. Scatchard plot analyses performed with the radiolabelled MABs indicated that each R sub(2)R sub(2) red cell carries 0.43, 0.32 and 0.38 x 10 super(5)D, c and E binding sites, respectively. The immune complexes involving anti-c, -E or -G antibodies could be formed with the detergent lysates from red cell

membranes. In contrast, membrane integrity was a prerequisite for the binding of the anti-D antibodies. Finally, from extraction studies of immunocomplexes with non-ionic detergents it was concluded that all the Rh-active components are bound to the membrane skeleton, suggesting that these molecules may have important function for maintaining red cell shape and viability.

L Number	Hits	Search Text	DB	Time stamp
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12	6	(Rh near5 antige$3 near7 blood) same chromatography	USPAT; EPO; DERWENT	2004/05/25 17:02
13	5	(Rh near5 antige$3 near7 blood) same immobili$3	USPAT; EPO; DERWENT	2004/05/25 17:02